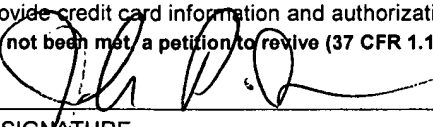


FORM PTO-1390 (REV. 02-2005)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <b>37945-0079</b>	
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/567016</b>	
INTERNATIONAL APPLICATION NO. <b>PCT/GB2004/003143</b>		INTERNATIONAL FILING DATE <b>July 19, 2004</b>		PRIORITY DATE CLAIMED <b>August 5, 2003</b>	
TITLE OF INVENTION <b>REACTION CONDITIONS SENSOR</b>					
APPLICANT(S) FOR DO/EO/US <b>Brian Phillip ALLEN; Richard GILBERT; Xia Feng ZHOU</b>					
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li><input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> had been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20. below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included</li> <li><input checked="" type="checkbox"/> A preliminary amendment.</li> <li><input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A power of attorney and/or address letter.</li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 132 and 37 CFR 1.821-1825</li> <li><input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4)</li> <li><input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li><input checked="" type="checkbox"/> Other items or information: Form PCT/ISA/210</li> </ol>					

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.7) <b>To be assigned</b>		INTERNATIONAL APPLICATION NO. <b>PCT/GB2004/003143</b>		ATTORNEY'S DOCKET NUMBER <b>37945-0079</b>	
21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee.....\$300.00 <input checked="" type="checkbox"/> b) Examination fee .....\$200.00 <input checked="" type="checkbox"/> c) Search fee.....\$400.00  <b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>CALCULATIONS PTO USE ONLY</b>	
				<b>900.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
TOTAL SHEETS	EXTRA SHEETS	NUMBER EXTRA (of each additional 50 or fraction thereof rounded up to a whole number)	RATE		
-100 =	50 =		x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	30 - 20 =	10	x \$50	500.00	
Independent claims	5 - 3 =	2	x \$200	400.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360		
<b>SUBTOTAL =</b>				<b>1800.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>1800.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	
<b>TOTAL NATIONAL FEE =</b>				<b>1800.00</b>	
Fee for recording the enclose assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property					
<b>TOTAL FEES ENCLOSED =</b>				<b>1800.00</b>	
				<b>Amount to be refunded:</b>	\$
				<b>Amount to be charged:</b>	\$
a. <input checked="" type="checkbox"/> A check in the amount of <u>\$1,800.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment To Deposit Account No. <u>08-1641</u> A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038. <b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b> <b>SEND ALL CORRESPONDENCE TO:</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>HELLER EHRMAN LLP</b>            1717 Rhode Island Avenue, N.W.            Washington, D.C. 20036            Customer No.: 26633         </div> <div style="width: 45%;">           SIGNATURE    <b>John P. Isacson, Reg. No. 33,715</b>            NAME            REGISTRATION NO.: 33,715         </div> <div style="width: 10%;">           Date  <b>February 3, 2006</b> </div> </div>					